**Index of Claims** 

| Application/ | Control | No. |
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10/734,999

Examiner

Date

Applicant(s)/Patent under Reexamination

MARSH ET AL.

Art Unit

Khanh B. Duong

2822

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| ÷ | Restricted                     |

Claim

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| Cla      | aim  | Date         |          |          |            |              |              |          |                |                 |  |  |
| Final    | Original   | 2/16/05      |          |          |            |              |              |          |                |                 |  |  |
|          | 1 2 3 6 7 8 9  |              |          |          |            |              |              |          |                |                 |  |  |
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|          | 1  |              |          |          | -          |              | Г            |          |                | П               |  |  |
|          | 8  |              |          |          |            |              |              |          |                |                 |  |  |
|          | 9  |              | _        | _        | L          | _            | L.           | L_       | <u> </u>       | Ш               |  |  |
|          | 10   | _            | _        | <u> </u> | $\vdash$   |              | <u> </u>     | -        | <u> </u>       | Н               |  |  |
|          | 10   |              |          | _        |            | ├            | ⊢            | Η.       | -              | Н               |  |  |
|          | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>31 | H            |          | -        |            | $\vdash$     | _            | $\vdash$ |                | Н               |  |  |
|          | 14   | T            |          | Г        | $\vdash$   | 1            |              | Т        |                | Н               |  |  |
|          | 15   |              |          |          |            |              |              |          |                | П               |  |  |
|          | 16   |              |          |          |            |              |              |          |                |                 |  |  |
|          | 17   |              |          |          | _          | _            |              | _        | _              |                 |  |  |
|          | 18   | L            |          | _        | _          | <u> </u>     |              | <u> </u> | ⊢              | Н               |  |  |
|          | 26   | ├            |          |          | $\vdash$   | ┢            | <del> </del> | ⊢        | ⊢              | $\vdash$        |  |  |
|          | 3  | $\vdash$     |          | _        | ⊢          | -            | -            | ⊢        | -              | Н               |  |  |
|          | 22   |              |          |          | $\vdash$   | -            |              |          |                | Н               |  |  |
|          | 28   |              |          |          |            | T            |              | _        | _              | П               |  |  |
|          | 2  |              |          |          |            |              |              |          |                |                 |  |  |
|          | 25   | Ш            |          |          | _          | <u> </u>     |              |          | _              | Щ               |  |  |
|          | 20   | Н            |          | _        | -          | ┡            | <u> </u>     | -        |                | $\vdash$        |  |  |
|          | 28   | H            |          |          | $\vdash$   | $\vdash$     | ┝            | -        | <del> </del> - | Н               |  |  |
|          | 29   |              |          |          | <b>—</b>   |              |              | $\vdash$ |                | Н               |  |  |
|          | 30   |              |          |          |            |              |              |          |                | П               |  |  |
|          | 3  |              |          |          |            |              |              |          |                |                 |  |  |
|          | 32   |              |          |          |            | <u> </u>     |              | <u> </u> |                | Щ               |  |  |
|          | 33   | Н            |          |          |            | -            | _            | _        | <u> </u>       | $\vdash$        |  |  |
|          | 35   | $\vdash$     | =        | _        | -          | ┢            |              |          |                | Н               |  |  |
|          | 36   |              |          |          | _          |              | -            |          |                | H               |  |  |
|          |  |              |          |          |            | -            |              |          |                |                 |  |  |
|          | 38   | >            |          |          |            |              |              |          |                |                 |  |  |
|          | 39   | Ш            | _        |          |            |              |              | _        |                | Щ               |  |  |
|          | 40   | H            |          |          |            | H            |              | -        | L              | H               |  |  |
|          | 42   | $\mathbb{H}$ |          | _        | _          |              | _            | _        | _              | $\vdash \vdash$ |  |  |
|          | 43   | ╁┤           | _        |          |            | Н            |              | _        | _              | $\vdash \vdash$ |  |  |
|          | 44   |              |          |          |            |              |              |          |                |                 |  |  |
|          | 45   | $\prod$      |          |          |            |              |              |          |                |                 |  |  |
|          | 46   | 41           |          |          |            |              |              | Щ        |                | Щ               |  |  |
|          | 47   | +            | -        |          |            |              | _            |          |                | Ш               |  |  |
| $\dashv$ | 48<br>49   | $\mathbb{H}$ | _        |          |            |              | -            | $\dashv$ | _              | Н               |  |  |
|          | 50   | 1,           |          |          |            | $\dashv$     | -            | -        | $\vdash$       | $\vdash \vdash$ |  |  |
| - 1      |  | · • I        |          |          |            |              |              |          |                | . 1             |  |  |

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|-----------|--|--------------------|----------|----------|----------|--|----------|----------|----------|----------|------------|----------|----------------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|
|           | Original   | 2/16/05            |          |          |          |  |          |          |          |          |            | Final    | Original       | 2/16/05  |                 |          |          |          |          |          |          |          |
| _         | 1  |                    | t        | t        |          |  |          |          |          | <u> </u> | 1 .        |          | 51             | <b>√</b> | $\vdash$        | _        | _        | $\vdash$ | $\vdash$ |          | $\vdash$ |          |
| -         | +  |                    | ┢        | ╁╌       | -        | $\vdash$   | ├        | -        |          | ╁        | 1 1        |          | 57             | H        | $\vdash$        |          | Н        | -        | -        | _        | _        |          |
| -         | 1 2 3  | _                  | ⊢        | ┼        | -        | $\vdash$   | $\vdash$ | -        | $\vdash$ | -        | - 1        |          | 51<br>52<br>53 | Н        | ├               |          | _        | _        | -        |          | -        | $\vdash$ |
| _         | -  |                    | L        | ┝        | <b> </b> | <b></b>  | <b>!</b> | -        | <u> </u> | ┡        | - 1        |          | 53             | Н        | <u> </u>        |          |          |          |          | _        |          | Щ        |
|           | 1  |                    |          | _        | _        | _  | <u> </u> | ╙        | <u> </u> | <u> </u> | 1 1        |          | 54<br>55       | Ш        | <del>  _</del>  |          |          |          |          | <u> </u> | <u> </u> | $\Box$   |
| _         | 5  |                    | _        | _        | L        |  |          | L        | _        |          |            |          | 55             | Ц        | L               |          |          |          |          |          |          |          |
|           | - 6  |                    | L        |          |          |  | L.       |          |          |          | J          |          | 56             |          | l               |          |          |          |          |          | :        |          |
|           | 1  |                    |          | <u> </u> |          |  |          |          |          |          |            |          | 57             |          |                 |          |          |          |          |          |          |          |
|           | 8  |                    | l        |          |          |  |          |          |          |          | ]          |          | 57<br>58       | П        |                 |          |          |          |          |          |          |          |
|           | 8  |                    |          |          |          |  |          |          |          |          | 1          |          | 59<br>60<br>61 | П        | Т               |          |          |          |          |          |          |          |
|           | 10   |                    | Π        |          |          |  |          |          |          | ⇈        | 1          |          | 60             | Ħ        |                 |          |          |          |          |          |          |          |
|           | 11   |                    |          |          |          |  |          |          |          | $\vdash$ | 1 1        |          | 61             | П        |                 |          |          |          |          | _        | _        | $\neg$   |
| _         | 10   |                    | H        | $\vdash$ | $\vdash$ | <del>                                     </del> |          |          | $\vdash$ | $\vdash$ | 1 1        |          | 62             | H        |                 |          |          |          | _        | _        |          | $\dashv$ |
| _         | 12<br>18   |                    |          | <u> </u> | _        | H  |          |          | $\vdash$ | $\vdash$ | 1          |          | 62<br>63       | H        | 1               | _        | _        | _        |          |          | $\vdash$ | 一        |
| -         | 1  |                    |          | $\vdash$ | -        | ├─   | -        |          |          | H        | 1 1        |          | 64             | Н        | 1               |          |          |          | _        |          | $\vdash$ | $\dashv$ |
| $\dashv$  | 15   |                    | $\vdash$ | ├        |          | -  | $\vdash$ | $\vdash$ | -        |          | ┨          |          | CE             | H        | <b>.</b>        | -        | _        |          |          |          |          | $\dashv$ |
| _         | 16   |                    | -        | ├—       |          |  | $\vdash$ | H        |          | ⊢        | 1 1        |          | 00             | H        | -               |          |          |          |          | _        |          | $\dashv$ |
| -         | -1P  |                    | _        | -        | -        | _  | _        | L        | _        | -        | <b>↓</b> } |          | 65<br>66<br>67 | Н        | $\vdash$        | _        |          | _        |          |          | Ш        | $\vdash$ |
| 4         | 1  |                    | <u> </u> | <u> </u> | ļ        | <u> </u>   |          |          | _        | _        | 1 1        |          | 6/             | Ц        | $\vdash$        |          |          |          |          |          |          | $\Box$   |
| 4         | 18   |                    | L        | L.       |          | <u> </u>   |          |          | _        |          |            |          | 68<br>69       | Ц        |                 |          |          |          |          |          |          |          |
| _         | 19   |                    |          |          |          |  | L        | ᆫ        | <u> </u> |          | ] ]        |          | 69             |          |                 |          |          |          |          |          |          |          |
|           | 20   |                    |          |          |          |  |          |          |          |          | l          |          | 70<br>71       |          |                 |          |          |          |          |          |          |          |
|           | 2  |                    |          |          |          |  |          |          |          |          | ] [        |          | 71             | П        |                 |          |          |          |          |          |          |          |
|           | 22   |                    |          |          |          |  |          |          |          |          | 1 [        |          | 72             | Т        |                 |          |          |          |          |          |          |          |
|           | 28   |                    |          | Т        | Г        |  |          |          |          |          | 1 1        |          | 73<br>74       | $\dashv$ |                 |          |          |          |          |          |          |          |
| ╗         | 24   |                    | _        |          | $\vdash$ |  | _        |          | _        |          | 1 1        |          | 74             | Ħ        | П               |          |          | -        |          |          |          | _        |
| 7         | 25   |                    | ┢        | _        |          |  |          |          | _        |          | 1 1        |          | 75             | $\dashv$ | <del> </del>    |          |          |          | -        | _        |          | $\dashv$ |
| 7         | 3  |                    | $\vdash$ | -        | $\vdash$ |  |          |          | $\vdash$ | -        | 1 1        |          | 76             | +        | ┢╌┤             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |          | -        |
| ᅥ         | 31   |                    | ├        | -        | -        | Н  |          | -        | -        | -        |            |          | 76<br>77       | +        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | -        | =        |
| $\dashv$  | <del>-2</del>  |                    | ├        | -        | $\vdash$ |  | -        | _        | _        | -        | 1 1        |          | 70             | +        | Н               | $\dashv$ | $\dashv$ |          | _        |          | -        | $\dashv$ |
| -         | <del>- 28</del>  |                    | ┝        |          | _        |  |          |          |          | <u> </u> | 1 1        |          | 78             | +        |                 | _        | _        |          |          | Щ        | _        |          |
| 4         | 2  |                    | <u> </u> |          | _        |  |          |          |          | <u> </u> |            |          | 79             | 4        | $\sqcup$        | _        | _        | _        | _        |          |          |          |
| 4         | 30   |                    | L_       | _        |          |  |          |          | _        | <u> </u> |            |          | 80<br>81       | 4        | Ш               | _        | _        |          |          |          | _        | _        |
| 4         | 31   |                    |          |          |          |  |          |          |          | L_       | 1 1        |          | 81             | Ц        | L               |          |          |          |          |          |          |          |
|           | 32   |                    | L        | L        |          |  |          |          |          |          | IJ         |          | 82             | Ÿ        |                 |          |          |          |          |          |          |          |
|           | 3\$  |                    |          |          |          |  |          |          | L        |          |            |          | 83             |          |                 |          |          |          |          |          |          |          |
|           | 34   |                    |          |          |          |  |          |          |          |          | ] [        |          | 84             |          |                 |          | Ī        |          |          |          |          |          |
|           | 3\$  |                    |          |          |          |  |          |          |          |          | 1 [        |          | 84<br>85       |          |                 |          |          |          |          |          |          | ヿ        |
| ٦         | 2)<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36 |                    |          |          |          |  |          |          |          |          |            |          | 86             |          |                 |          |          |          |          |          |          | $\neg$   |
| T         | 31   |                    |          |          |          |  |          |          |          |          | 1 1        |          | 87<br>88       |          | Ħ               |          |          |          |          |          |          |          |
| 7         | 38<br>39   | √                  |          |          |          |  |          |          |          |          | 1 1        |          | 88             |          | 1               | ヿ        |          | ┪        |          | 一        | T        | $\neg$   |
|           | 39   | i                  |          |          |          |  |          |          |          |          | l I        |          | 89             |          | 1               | $\dashv$ | $\neg$   | _        | $\dashv$ | $\dashv$ | $\dashv$ | ᅥ        |
| ┪         | 40   | +                  |          | H        |          |  |          | $\vdash$ |          |          | 1 1        |          | 90             |          |                 | $\neg$   | $\dashv$ | _        |          |          | $\dashv$ | $\dashv$ |
| 7         | 41   | +                  |          | Н        |          |  | -        |          |          | -        | 1 1        | -        | 91             |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | $\dashv$ |
| ┪         |  | Н                  |          | Н        | _        |  | -        | $\dashv$ |          | -        | -          |          | _              | _        | ├─┤             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ⊣        |
| $\dashv$  | 42   | ╫                  |          | Н        |          |  | -        | $\dashv$ |          |          | -          |          | 92             |          | $\vdash$        | $\dashv$ | $\dashv$ | _        | -        | $\dashv$ | -        | $\dashv$ |
| $\dashv$  |  | +                  |          | Н        |          |  |          | -        | _        | _        |            |          | 93             |          | $\vdash \vdash$ | -        | $\dashv$ | _        |          |          |          | -        |
| -         | 44   | +                  | _        | _        |          |  |          | _        |          | _        |            |          | 94             |          | $\sqcup$        | _        | }        | _        | _        |          |          | _        |
| 4         | 45   | 4                  |          | Ш        | -        |  | $\sqcup$ | _        |          | _        |            |          | 95             |          | $\sqcup$        |          |          | _        | _        | _        | _        | _        |
| 4         | 46   | $\perp$            |          | Ш        |          | _  |          | _        |          |          |            |          | 96             |          | Ш               |          |          | $\Box$   |          |          |          |          |
| ┙         | 47   | Ш                  |          | Ш        |          |  |          |          |          |          |            |          | 97             |          | Ш               |          |          | 凵        | l        |          | I        |          |
|           | 48   | $oldsymbol{\perp}$ |          | Ш        |          |  | ]        | [        |          |          |            |          | 98             | _        |                 |          |          |          | T        | 7        | T        | _7       |
| $_{ m J}$ | 49   |                    |          |          |          |  | _7       | _7       |          |          |            |          | 99             |          | П               |          | $\neg$   | 一        |          | $\neg$   |          | $\neg$   |
| T         | 50   | 7                  |          |          |          |  | $\neg$   | $\neg$   |          |          | [          |          | 100            |          | П               | T        | 寸        | $\dashv$ |          | 寸        | 寸        | $\neg$   |
| _         |  |                    |          |          |          |  |          |          | _        |          |            |          |                | _        |                 |          |          |          |          |          |          |          |

| CI    | aim  | Date |          |          |   |  |  |          |   |        |
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| Final | Original   |      |          |          |   |  |  |          |   |        |
|       | 101  |      |          | İ        |   |  |  | ì        |   |        |
|       | 102  |      | $\vdash$ | $\vdash$ | 1 | ऻ  | <u> </u>   |          |   | П      |
|       | 101<br>102<br>103                                    |      |          |          |   |  |  |          |   |        |
|       | 104  |      |          |          |   |  | Т  | T        |   |        |
|       | 104<br>105   |      |          |          |   |  |  |          |   |        |
|       | 1 106  |      |          |          |   |  |  |          |   |        |
|       | 107  |      |          |          |   |  |  |          |   |        |
|       | 108  |      |          |          |   |  |  |          | Г |        |
|       | 109  |      |          | Π        |   | Π  |  | П        |   | П      |
|       | 110<br>111   |      |          |          |   |  |  | Г        |   | П      |
|       | 111  |      |          |          | Г |  |  | Г        |   | П      |
|       | 112  |      |          |          |   | П  |  | Г        |   | П      |
|       | 113  |      | Г        |          | Г | Г  | П  | Г        |   | П      |
|       | 112<br>113<br>114<br>115<br>116                      |      | Г        |          |   |  |  |          |   | П      |
|       | 115  |      |          |          |   |  |  | Г        |   | П      |
|       | 116  |      |          | Г        |   | П  |  |          |   |        |
|       | 117  |      |          |          |   | Г  | Π  | Г        | Г |        |
|       | 118  |      |          |          |   |  |  | Г        |   | П      |
|       | 118<br>119   |      |          |          |   |  |  | Г        |   | П      |
|       | 120  |      | Г        |          |   |  |  |          |   |        |
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|       | 122  |      |          |          |   |  | <u> </u>   | $\vdash$ |   |        |
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|       | 125  |      |          |          |   |  |  |          |   |        |
|       | 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 |      | <u> </u> |          |   |  |  |          |   |        |
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|       | 128  |      |          |          |   |  |  |          |   | П      |
|       | 129  |      |          |          |   |  |  |          | Г | П      |
|       | 130  |      |          |          |   |  |  |          |   | $\Box$ |
|       | 131  |      |          |          |   |  |  |          |   |        |
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|       | 140  |      |          |          |   |  |  |          |   |        |
|       | 141  |      | _        | Щ        |   | $ldsymbol{ld}}}}}}}$ | $\Box$   |          |   | Ш      |
|       | 142  |      | L        |          |   |  | $ldsymbol{ld}}}}}}$ |          | Ш | Ш      |
|       | 143  |      |          | L_       |   | Ш  | Ш  | Ш        |   | Ш      |
|       | 144  |      |          | Щ        |   |  |  |          |   |        |
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| ]     | 148  |      |          | Ш        |   |  |  |          |   |        |
| ]     | 149  |      |          |          |   |  |  |          |   |        |
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